

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. R9-2002-0067

NPDES PERMIT NO. CA 0109371

FOR
S & S FARMS
SWINE RAISING FACILITY
SAN DIEGO COUNTY

This Monitoring and Reporting Program shall become effective with the adoption of Order No. R9-2002-0067.

I. Purpose

This monitoring program is intended to:

- Document short-term and long-term effects of the discharge on receiving waters, sediments, biota and beneficial uses of the receiving water.
- Determine compliance with NPDES permit terms and conditions.
- Be used to determine compliance with water quality objectives.

II. Monitoring Provisions

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this monitoring program and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Regional Board. Samples shall be collected at the times representative of “worst case” conditions with respect to compliance with the requirements of Order No. R9-2002-0067.
2. Monitoring must be conducted according to United States Environmental Protection Agency (USEPA) test procedures approved under Title 40 of the Code of Federal Regulations Part 136 (40 CFR 136), Guidelines Establishing Test Procedures for the Analysis of Pollutants, as procedures have been specified in Order No. R9-2002-0067 and/or in this monitoring and reporting program.
3. If the discharger monitors any pollutants more frequently than required by Order No. R9-2002-0067 or by this monitoring and reporting program, using test procedures approved under 40 CFR Part 136, or as specified in Order No. R9-2002-0067 and this monitoring and

reporting program, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increased frequency of monitoring shall also be reported.

4. The discharger shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by Order No. R9-2002-0067 and this monitoring and reporting program and records of all data used to complete the application for Order No. R9-2002-0067. Records shall be maintained for a minimum of 5 years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board or the USEPA.
5. Records of monitoring information shall include:
 - a. The date, exact location, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The name(s) of the laboratory and individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
6. Calculations for all limitations that receive averaging of measurements shall utilize an arithmetic mean unless otherwise specified in Order R9-2002-0067 or this monitoring and reporting program.
7. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year, or more frequently, to ensure continued accuracy of the devices.
8. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Regional Board.
9. The discharger shall report all instances of noncompliance not reported under Reporting Requirement D.6 of Order No. R9-2002-0067 at the time monitoring reports are submitted. The reports shall contain the information listed in Reporting Requirement D.6 of Order No. R9-2002-0067.
10. Laboratory method detection limits (MDLs) and practical quantitation levels (PQLs) shall be identified for each constituent in the matrix being analyzed with all reported analytical data.

Acceptance of data shall be based on demonstrated laboratory performance.

11. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.

III. Compliance Report

The discharger shall submit an annual compliance report for the period of November 1 to October 31. The compliance report must include:

1. The current address of the facility and of the owner.
2. The maximum herd size during the year.
3. The total quantity of manure produced during the year and how the manure was disposed of during the year as of October 31 each year.
4. A certification statement as required by Reporting and Record Keeping Requirements D.10.d of this Order.
5. A description of any changes to the waste collection, management or disposal system.
6. A ground water analysis from the wells identified in Section IV below.
7. A discussion of the facility's compliance with the Discharge Specifications and specifications for Proper Operation, Manure Management, Treatment Pond, Flood Protection and Surface Drainage contained in Order No. R9-2002-0067. The Discussion shall include any pertinent information and describe any additional management measures or corrective actions taken or planned to achieve full compliance with the waste discharge requirements.

The compliance report shall be submitted on copies of the Monitoring & Reporting forms supplied by this Regional Board.

IV. Ground Water Monitoring

Ground water monitoring is intended to provide for a timely indication of any potential occurrences of exceeding water quality objectives in the aquifer underlying and down gradient of the discharge within 0.5 miles and to relate ground water quality beneath and down gradient of the site to background water quality.

1. Ground water monitoring must be conducted according to the following procedures unless the Regional Board approves alternative procedures:

- a. The well must be pumped for a minimum of three volumes of the well casing before the sample is taken. If the well casing volume is not known, then three hundred gallons must be pumped before a sample is taken.
- b. The sample must be collected in a container approved by the laboratory doing the analysis. The containers must be suitable for collecting (1) a nitrate sample and for collecting (2) a Total Dissolved Solids sample.
- c. The samples must be preserved in a container cooled to 4° Celsius (40° Fahrenheit).
- d. The sample must be analyzed within seven days from the time the sample was taken.
- e. The sample must be taken during September – October.
- f. The ground water sample shall not be diluted by any other waste stream, body of water, or substance.

2. Monitoring Station Location

Ground water sampling shall occur at the locations described below and identified on Figure 1.

<u>Station</u>	<u>Description</u>
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| 1. | Onsite well west of the facultative treatment ponds alongside Ramona Street, used to pump water for agricultural uses. |
| 2. | Onsite down gradient well located west of the treatment ponds and east of the swine housing structures, to be constructed by the discharger. |
| 3. | Onsite upgradient well located east of the treatment ponds, to be constructed by the discharger. |

3. Groundwater from the monitoring wells shall be analyzed for the following constituents:

Parameter	Unit	Frequency
Total Dissolved Solids	mg/L	Annual
Total Kjeldahl Nitrogen (TKN)	mg/L	Annual
Nitrate (N)	mg/L	Annual

V. Reporting Schedule

Monitoring results shall be reported at intervals and in a manner specified in Order No. R9-2002-0067 and in this monitoring and reporting program. Monitoring reports shall be submitted to the Regional Board and to USEPA Region 9 according to the following schedule:

<u>Monitoring Frequency</u>	<u>Reporting Period</u>	<u>Report Due</u>
Annually	November 1 – October 31	December 1

tentative

JOHN H. ROBERTUS

Executive Officer

August 14, 2002